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PRODUCTION OF CERAMIC ELECTRONIC PARTS (English)

Patent Assignee: TAIYO YUDEN KK

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PRODUCTION OF CERAMIC ELECTRONIC PARTS

PUB. NO.: 08-078274 [JP 8078274 A]

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JAPIO CLASS: 42.1 (ELECTRONICS -- Electronic Components); 12.6 (METALS -- Surface Treatment)

ABSTRACT

PURPOSE: To produce a ceramic electronic device, e.g. a multilayer ceramic capacitor, with high productivity in which the size is reduced while increasing the capacity and the current leakage is eliminated.

CONSTITUTION: A ceramic material layer formed through electrophoresis is sintered to produce a ceramic layer and an inner electrode is formed by sputtering or deposition to obtain a ceramic device, e.g. a multilayer ceramic capacitor. This method produces a small-sized high capacity ceramic device, e.g. a multilayer ceramic capacitor, with high productivity in which the ceramic layer is made thin by suppressing fluctuation in the thickness of ceramic layer while eliminating current leakage.

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